Journal of the Operational Research Society (2009) 60, 1794–1801 © 2009 Operational Research Society Ltd. All rights reserved. 0160-5682/09

www.palgrave-journals.com/jors/

INDEX TO VOLUME 60, 2009

AUTHOR AND TITLE INDEX

(Excluding *Book Selection* and *Viewpoints*)
* = Case-Oriented Paper

Ackermann, F.:
(*see* Eden, C.)
*Adamides, E. D., Mitropoulos, P., Giannikos, I. and Mitropoulos, I.:
A multi-methodological approach to the development of a regional solid waste management system, 758
Ahn, B. S.:
(*see* Choi, S. H.)
Aigbedo, H.:
A note on parts inventory and mass customization for a two-stage JIT supply chain with zero-one type of bills of materials, 1286
Alabas-Uslu, C.:
(*see* Dengiz, B.)
Altınel, İ. K.:
(*see* Öncan, T.)
*Alumur, S. and Kara, B. Y.:
A hub covering network design problem for cargo applications in Turkey, 1349
Álvarez-Pérez, G. A., González-Velarde, J. L. and Fowler, J. W.:
Crossdocking—Just in Time scheduling: an alternative solution approach, 554
Amado, C. A. F. and Dyson, R. G.:
Exploring the use of DEA for formative evaluation in primary diabetes care: An application to compare English practices, 1469
Andersen, D. F.:
(*see* Eden, C.)
*Andersen, J. and Christiansen, M.:
Designing new European rail freight services, 348
*Angün, E., Kleijnen, J., den Hertog, D. and Gürkan, G.:
Response surface methodology with stochastic constraints for expensive simulation, 735
Antzoulatos, G.:
(*see* Mastrogiannis, N.)
Archetti, C., Feillet, D., Hertz, A. and Speranza, M. G.:
The capacitated team orienteering and profitable tour problems, 831
*Ariff, M., Cabanda, E. and Sathye, M.:
Privatization and performance: evidence from telecommunications sector, 1315
Atkinson, J. B.:
Two new heuristics for the $GI/G/n/0$ queueing loss system with examples based on the two-phase Coxian distribution, 818

Babai, M. Z.:
(*see* Syntetos, A. A.)
Bae, S. M.:
(*see* Choi, S. H.)
Baek, S. H.:
(*see* Cho, H.-W.)
Baesens, B.:
(*see* Lima, E.)
Banjevic, D.:
(*see* Zuashkiani, A.)
Barquín, J., Vitoriano, B., Centeno, E. and Fernández-Menéndez, F.:
An optimization-based conjectured supply function equilibrium model for network constrained electricity markets, 1719
*Bekker, J. and Lotz, W.:
Planning Formula One race strategies using discrete-event simulation, 952
*Beligiannis, G. N., Moschopoulos, C. and Likothanassis, S. D.:
A genetic algorithm approach to school timetabling, 23
Bellotti, T. and Crook, J.:
Credit scoring with macroeconomic variables using survival analysis, 1699
Belson, D.:
(*see* Zhang, B.)
Bending, M.:
(*see* Pilgrim, H.)
Berry, A.:
(*see* Medhurst, J.)
Beullens, P.:
(*see* Li, X.)
Beyrouthy, C., Burke, E. K., Landa-Silva, D., McCollum, B., McMullan, P. and Parkes, A. J.:
Towards improving the utilization of university teaching space, 130
Bhaskar, T., Sundararajan, R. and Krishnan, P. G.:
A fuzzy mathematical programming approach for cross-sell optimization in retail banking, 717
Bird, H.:
(*see* Medhurst, J.)
Bischak, D. P.:
(*see* Silver, E. A.)
Boffey, T. B.:
(*see* Marianov, V.)
Bornstein, C. T.:
(*see* Namen, A. A.) and
Boussemart, J.-P., Briec, W. and Leleu, H.:
Linear programming solutions and distance functions under a constant returns to scale technology, 72
Boutsinas, B.:
(*see* Mastrogiannis, N.)
Brailsford, S.:
(*see* Katsaliaki, K.)
Bregman, R. L.:
Preemptive expediting to improve project due date performance, 120
Brentnall, A. R. and Cheng, R. C. H.:
Some effects of aircraft arrival sequence algorithms, 962
Briec, W.:
(*see* Boussemart, J.-P.)
Brimberg, J.:
(*see* Hurley, W. J.)
*Brint, A.:
Predicting a house's selling price through inflating its previous selling price, 339

Journal of the Operational Research Society (2009) 60, 1794–1801 © 2009 Operational Research Society Ltd. All rights reserved. 0160-5682/09

www.palgrave-journals.com/jors/

INDEX TO VOLUME 60, 2009

AUTHOR AND TITLE INDEX

(Excluding *Book Selection* and *Viewpoints*)
* = Case-Oriented Paper

Ackermann, F.:
(*see* Eden, C.)
*Adamides, E. D., Mitropoulos, P., Giannikos, I. and Mitropoulos, I.:
A multi-methodological approach to the development of a regional solid waste management system, 758
Ahn, B. S.:
(*see* Choi, S. H.)
Aigbedo, H.:
A note on parts inventory and mass customization for a two-stage JIT supply chain with zero-one type of bills of materials, 1286
Alabas-Uslu, C.:
(*see* Dengiz, B.)
Altınel, İ. K.:
(*see* Öncan, T.)
*Alumur, S. and Kara, B. Y.:
A hub covering network design problem for cargo applications in Turkey, 1349
Álvarez-Pérez, G. A., González-Velarde, J. L. and Fowler, J. W.:
Crossdocking—Just in Time scheduling: an alternative solution approach, 554
Amado, C. A. F. and Dyson, R. G.:
Exploring the use of DEA for formative evaluation in primary diabetes care: An application to compare English practices, 1469
Andersen, D. F.:
(*see* Eden, C.)
*Andersen, J. and Christiansen, M.:
Designing new European rail freight services, 348
*Angün, E., Kleijnen, J., den Hertog, D. and Gürkan, G.:
Response surface methodology with stochastic constraints for expensive simulation, 735
Antzoulatos, G.:
(*see* Mastrogiannis, N.)
Archetti, C., Feillet, D., Hertz, A. and Speranza, M. G.:
The capacitated team orienteering and profitable tour problems, 831
*Ariff, M., Cabanda, E. and Sathye, M.:
Privatization and performance: evidence from telecommunications sector, 1315
Atkinson, J. B.:
Two new heuristics for the $GI/G/n/0$ queueing loss system with examples based on the two-phase Coxian distribution, 818

Babai, M. Z.:
(*see* Syntetos, A. A.)
Bae, S. M.:
(*see* Choi, S. H.)
Baek, S. H.:
(*see* Cho, H.-W.)
Baesens, B.:
(*see* Lima, E.)
Banjevic, D.:
(*see* Zuashkiani, A.)
Barquín, J., Vitoriano, B., Centeno, E. and Fernández-Menéndez, F.:
An optimization-based conjectured supply function equilibrium model for network constrained electricity markets, 1719
*Bekker, J. and Lotz, W.:
Planning Formula One race strategies using discrete-event simulation, 952
*Beligiannis, G. N., Moschopoulos, C. and Likothanassis, S. D.:
A genetic algorithm approach to school timetabling, 23
Bellotti, T. and Crook, J.:
Credit scoring with macroeconomic variables using survival analysis, 1699
Belson, D.:
(*see* Zhang, B.)
Bending, M.:
(*see* Pilgrim, H.)
Berry, A.:
(*see* Medhurst, J.)
Beullens, P.:
(*see* Li, X.)
Beyrouthy, C., Burke, E. K., Landa-Silva, D., McCollum, B., McMullan, P. and Parkes, A. J.:
Towards improving the utilization of university teaching space, 130
Bhaskar, T., Sundararajan, R. and Krishnan, P. G.:
A fuzzy mathematical programming approach for cross-sell optimization in retail banking, 717
Bird, H.:
(*see* Medhurst, J.)
Bischak, D. P.:
(*see* Silver, E. A.)
Boffey, T. B.:
(*see* Marianov, V.)
Bornstein, C. T.:
(*see* Namen, A. A.) and
Boussemart, J.-P., Briec, W. and Leleu, H.:
Linear programming solutions and distance functions under a constant returns to scale technology, 72
Boutsinas, B.:
(*see* Mastrogiannis, N.)
Brailsford, S.:
(*see* Katsaliaki, K.)
Bregman, R. L.:
Preemptive expediting to improve project due date performance, 120
Brentnall, A. R. and Cheng, R. C. H.:
Some effects of aircraft arrival sequence algorithms, 962
Briec, W.:
(*see* Boussemart, J.-P.)
Brimberg, J.:
(*see* Hurley, W. J.)
*Brint, A.:
Predicting a house's selling price through inflating its previous selling price, 339

Briskorn, D. and Drexl, A.:
A branch-and-price algorithm for scheduling sport leagues, 84
Broekmeulen, R.:
(*see* Curşeu, A.)
Bryson, J. M.:
(*see* Eden, C.)
Buraimo, B., Forrest, D. and Simmons, R.:
Insights for clubs from modelling match attendance in football, 147
Burke, E. K.:
(*see* Beyrouthy, C.)
Burke, E. K.:
(*see* Qu, R.)

Cabanda, E.:
(*see* Ariff, M.)
Cabello, J. M.:
(*see* Ruiz, F.)
Campbell, C.:
(*see* Tsao, H.-Y.)
Campbell, J. F.:
(*see* Smith, L. D.)
Carey, M.:
A framework for user equilibrium dynamic traffic assignment, 395
Caserta, M. and Quiñonez Rico, E.:
A cross entropy-based metaheuristic algorithm for large-scale capacitated facility location problems, 1439
Castrodeza, C.:
(*see* Peña, T.)
Centeno, E.:
(*see* Barquin, J.)
Chakravarthy, A.:
(*see* Zhang, X.)
Chalkidou, K.:
(*see* Stevenson, M. D.)
Chang, H., Galantine, C. and Thevaranjan, A.:
Returns to scale pattern and efficient firm size in the public accounting industry: an empirical investigation, 1495
Chang, Y.-P.:
(*see* Chen, Y.-W.)
Chen, H. H.:
(*see* Lee, A. H. I.)
Chen, L.-C., Lu, W.-M. and Yang, C.:
Does knowledge management matter? Assessing the performance of electricity distribution districts based on slacks-based data envelopment analysis, 1583
Chen, Y.-W., Larbani, M. and Chang, Y.-P.:
Multiobjective data envelopment analysis, 1556
Cheng, R. C. H.:
(*see* Brentnall, A. R.)
Chick, S. E.:
(*see* Stevenson, M. D.)
Chilcott, J.:
(*see* Pilgrim, H.)
Cho, D. I.:
(*see* Doyle, E. K.)
Cho, H.-W., Baek, S. H., Youn, E., Jeong, M. K. and Taylor, A.:
A two-stage classification procedure for near-infrared spectra based on multi-scale vertical energy wavelet thresholding and SVM-based gradient-recursive feature elimination, 1107
*Choi, S. H. and Ahn, B. S.:
IP-MAGS: an incomplete preference-based multiple attribute group support system, 496
*Choi, S. H. and Bae, S. M.:
Strategic information systems selection with incomplete preferences: a case of Korean electronics company, 180
Chou, W.-C.:
(*see* Tsai, W.-H.)
Christiansen, M.:
(*see* Andersen, J.)
Chuang, M.:
(*see* Liu, J. S.)
*Chung, S. H., Pearn, W. L. and Tai, Y. T.:
Fast and effective algorithms for the liquid crystal display module (LCM) scheduling problem with sequence-dependent setup time, 921
Cioffi, D. F. and Khamooshi, H.:
A practical method of determining project risk contingency budgets, 565
*Clarke, S. R., Norman, J. M. and Stride, C. B.:
Criteria for a tournament: the World Professional Snooker Championship, 1670
Clausen, J.:
(*see* Wen, M.)
Contreras, I.:
(*see* Segovia-Gonzalez, M. M.)
Cook, W. D., Liang, L., Zha, Y. and Zhu, J.:
A modified super-efficiency DEA model for infeasibility, 276
Cook, W. D., Yang, F. and Zhu, J.:
Nonlinear inputs and diminishing marginal value in DEA, 1567
Coolen, F. P. A.:
(*see* Coolen-Schrijner, P.)
Coolen-Schrijner, P., Shaw, S. C. and Coolen, F. P. A.:
Opportunity-based age replacement with a one-cycle criterion, 1428
Cordeau, J.-F.:
(*see* Wen, M.)
Cordeiro, J. J.:
(*see* Sarkis, J.)
Crook, J.:
(*see* Bellotti, T.)
*Curşeu, A., van Woensel, T., Fransoo, J., van Donselaar, K. and Broekmeulen, R.:
Modelling handling operations in grocery retail stores: an empirical analysis, 200

Dallery, Y.:
(*see* Syntetos, A. A.)
Davies, J.:
(*see* Mabin, V. J.)
Dawson, P., Morley, B., Paton, D. and Thomas, D.:
To bat or not to bat: An examination of match outcomes in day-night limited overs cricket, 1786
Deepa, Y.:
(*see* Madhushini, N.)
den Hertog, D.:
(*see* Angün, E.)
Dengiz, B., Alabas-Uslu, C. and Dengiz, O.:
A tabu search algorithm for the training of neural networks, 282
*Dengiz, B., Alabas-Uslu, C. and Dengiz, O.:
Optimization of manufacturing systems using a neural network metamodel with a new training approach, 1191
Dengiz, O.:
(*see* Dengiz, B.)
*Derigs, U. and Reuter, K.:
A simple and efficient tabu search heuristic for solving the open vehicle routing problem, 1658
Dessouky, M. M.:
(*see* Zhang, B.)
Doerner, K. F.:
(*see* Ostertag, A.)
*Doyle, E. K., Lee, C.-G. and Cho, D. I.:
Justification for the next generation of maintenance modelling techniques, 461
Drexl, A.:
(*see* Briskorn, D.)
Dulá, J. H.:
A geometrical approach for generalizing the production possibility set in DEA, 1546

Dumitrescu, D.:
(*see* Stoean, R.)
Duncan, L.:
(*see* Teunter, R. H.)
Dwivedi, Y. K.:
(*see* Irani, Z.)
Dyson, R. G.:
(*see* Amado, C. A. F.)

Eden, C., Ackermann, F., Bryson, J. M., Richardson, G. P., Andersen, D. F. and Finn, C. B.:
Integrating modes of policy analysis and strategic management practice: requisite elements and dilemmas, 2
El-Darzi, E.:
(*see* Stoean, R.)
*Elfkih, S., Feijoo, M. L. and Romero, C.:
Agricultural sustainable management: a normative approach based on goal programming, 534

*Fagerholt, K., Foss, B. A. and Horgen, O. J.:
A decision support model for establishing an air taxi service: a case study, 1173
Farzipoor Saen, R.:
Supplier selection by the pair of nondiscretionary factors-imprecise data envelopment analysis models, 1575
Fasolo, B.:
(*see* Morton, A.)
Faulin, J.:
(*see* Plà, L. M.)
Feijoo, M. L.:
(*see* Elfkih, S.)
Feillet, D.:
(*see* Archetti, C.)
Fernández-Menéndez, F.:
(*see* Barquín, J.)
Finn, C. B.:
(*see* Eden, C.)
Forrest, D.:
(*see* Buraimo, B.)
Forsund, F. R., Kittelsen, S. A. C. and Krivonozhko, V. E.:
Farrell revisited–Visualizing properties of DEA production frontiers, 1535
Foss, B. A.:
(*see* Fagerholt, K.)
Fowler, J. W.:
(*see* Álvarez-Pérez, G. A.)
Franco, L. A.:
(*see* Hindle, G. A.)
Fransoo, J.:
(*see* Curşeu, A.)
Freeman, J. M.:
Optimal policies for playing variable wager HI-LO, 79
Fukuyama, H. and Weber, W. L.:
Estimating indirect allocative inefficiency and productivity change, 1594

*Gac, I., Martínez, F. and Weintraub, A.:
A deterministic linear optimization model for allocating schools to zones, 895
Gakis, N.:
(*see* Mavrotas, G.)
Galantine, C.:
(*see* Chang, H.)
Galvão, R. D.:
(*see* Marianov, V.)
Georgiou, A. C.:
(*see* Tsagalidis, E. G.)
Georgopoulou, E.:
(*see* Mavrotas, G.)
Giannikos, I.:
(*see* Adamides, E. D.)
Giannikos, I.:
(*see* Mastrogiannis, N.)
Glowacka, K. J., Henry, R. M. and May, J. H.:
A hybrid data mining/simulation approach for modelling outpatient no-shows in clinic scheduling, 1056
*González-Benito, Ó., Martínez-Ruiz, M. P. and Molla-Descals, A.:
Spatial mapping of price competition using logit-type market share models and store-level scanner-data, 52
González-Velarde, J. L.:
(*see* Álvarez-Pérez, G. A.)
Gopalan, R. and Narayanaswamy, N. S.:
Analysis of algorithms for an online version of the convoy movement problem, 1230
Gu, Q.:
(*see* Zhang, X.)
*Gurgur, C.:
Optimal project portfolio selection with carryover constraint, 1649
Gutiérrez-Nieto, B., Serrano-Cinca, C. and Mar Molinero, C.:
Social efficiency in microfinance institutions, 104
Gürkan, G.:
(*see* Angün, E.)

Haara, A.:
(*see* Kainulainen, T.)
Harris, H.:
(*see* Martin, C.)
Hartl, R. F.:
(*see* Ostertag, A.)
Haughton, M. A.:
An alternative tactic to deal with the contingency of driver absenteeism, 1207
Hayashi, Y., Hsieh, M.-H. and Setiono, R.:
Predicting consumer preference for fast-food franchises: a data mining approach, 1221
Hayward, J.:
(*see* Wyburn, J.)
He, C.-C., Wu, C.-C. and Lee, W.-C.:
Branch-and-bound and weight-combination search algorithms for the total completion time problem with step-deteriorating jobs, 1759
Henry, R. M.:
(*see* Glowacka, K. J.)
*Hertz, A. and Lahrichi, N.:
A patient assignment algorithm for home care services, 481
Hertz, A.:
(*see* Archetti, C.)
*Hindle, G. A. and Franco, L. A.:
Combining problem structuring methods to conduct applied research: a mixed methods approach to studying fitness-to-drive in the UK, 1637
*Hindle, G. A., Hindle, T. and Souli, S.:
Modelling and assessing local area differences in road casualties: a case study in England, 781
Hindle, T.:
(*see* Hindle, G. A.)
Hontou, V.:
(*see* Mavrotas, G.)
Horgen, O. J.:
(*see* Fagerholt, K.)
Hsieh, M.-H.:
(*see* Hayashi, Y.)
Hsu, C.-J.:
(*see* Kuo, W.-H.)
Hsu, W.:
(*see* Tsai, W.-H.)

Hua, Z., Yang, J., Huang, F. and Xu, X.:
A static-dynamic strategy for spare part inventory systems with nonstationary stochastic demand, 1254
Huang, F.:
(*see* Hua, Z.)
Huang, J.-J.:
Revised behavioural models for riskless consumer choice, 1237
Huang, R.-H. and Yang, C.-L.:
An algorithm for minimizing flow time and maximum earliness on a single machine, 873
Hujala, T.:
(*see* Kainulainen, T.)
Hunka, C.:
(*see* Laffey, D.)
*Hurley, W. J., Brimberg, J. and Pavlov, A.:
Improving throughput in a wireless LAN with application to the Canadian army's situational awareness system, 1613
*Hurley, W. J., Brimberg, J. and Pavlov, A.:
Optimal thresholds for fining speeders for a stationary speed-check operation when the traffic intensity is low, 1154
Hussin, B.:
(*see* Wang, W.)

Ioannou, G.:
(*see* Zobolas, G. I.)
*Irani, Z., Dwivedi, Y. K. and Williams, M. D.:
Understanding consumer adoption of broadband: an extension of the technology acceptance model, 1322

Jardine, A. K. S.:
(*see* Zuashkiani, A.)
Jasimuddin, S. M. and Zhang, Z.:
The symbiosis mechanism for effective knowledge transfer, 706
Jeong, M. K.:
(*see* Cho, H.-W.)
Johnson, A. L. and McGinnis, L. F.:
The hyperbolic-oriented efficiency measure as a remedy to infeasibility of super efficiency models, 1511
Jones, D.:
(*see* Li, X.)
Jones, P.:
(*see* Rhodes, C. J.)
Joo, B.-J. and Kim, Y.-D.:
A branch-and-bound algorithm for a two-machine flowshop scheduling problem with limited waiting time constraints, 572
Junior, H. V. and Lins, M. P. E.:
A WIN-WIN approach to multiple objective linear programming problems, 728

Kainulainen, T., Leskinen, P., Korhonen, P., Haara, A. and Hujala, T.:
A statistical approach to assessing interval scale preferences in discrete choice problems, 252
Kang, H.-Y.:
(*see* Lee, A. H. I.)
Kara, B. Y.:
(*see* Alumur, S.)
*Katsaliaki, K., Mustafee, N., Taylor, S. J. E. and Brailsford, S.:
Comparing conventional and distributed approaches to simulation in a complex supply-chain health system, 43
Khamooshi, H.:
(*see* Cioffi, D. F.)
Khouja, M. and Rajagopalan, H. K.:
Can piracy lead to higher prices in the music and motion picture industries?, 372
Kim, B. T.:
(*see* Sohn, S. Y.)
Kim, D.:
(*see* Park, K. S.)
Kim, H.-J., Lee, D.-H., Xirouchakis, P. and Kwon, O. K.:
A branch and bound algorithm for disassembly scheduling with assembly product structure, 419
Kim, J., Yang, J. and Ólafsson, S.:
An optimization approach to partitional data clustering, 1069
Kim, J.-G. and Lee, D.-H.:
Algorithms for common due-date assignment and sequencing on a single machine with sequence-dependent setup times, 1264
Kim, S.:
(*see* Mabin, V. J.)
Kim, Y.:
(*see* Sohn, S. Y.)
Kim, Y.-D.:
(*see* Joo, B.-J.)
Kittelsen, S. A. C.:
(*see* Forsund, F. R.)
*Kiygi Calli, M. and Weverbergh, M.:
Forecasting newspaper demand with censored regression, 944
Kleijnen, J.:
(*see* Angün, E.)
Korhonen, P.:
(*see* Kainulainen, T.)
Krishnan, P. G.:
(*see* Bhaskar, T.)
Krivonozhko, V. E., Utkin, O. B., Safin, M. M. and Lychev, A. V.:
On some generalization of the DEA models, 1518
Krivonozhko, V. E.:
(*see* Forsund, F. R.)
*Kumar, S., Nottestad, D. A. and Murphy, E. E.:
Effects of product postponement on the distribution network: a case study, 471
*Kunc, M. H. and Morecroft, J. D. W.:
Resource-based strategies and problem structuring: using resource maps to manage resource systems, 191
Kuo, W.-H., Hsu, C.-J. and Yang, D.-L.:
A note on unrelated parallel machine scheduling with time-dependent processing times, 431
Kuosmanen, T.:
Data envelopment analysis with missing data, 1767
Kwon, O. K.:
(*see* Kim, H.-J.)

Laffey, D., Hunka, C., Sharp, J. A. and Zeng, Z.:
Estimating advertisers' values for paid search clickthroughs, 411
Lahrichi, N.:
(*see* Hertz, A.)
*Lakhal, L.:
Impact of quality on competitive advantage and organizational performance, 637
Lalas, D.:
(*see* Mavrotas, G.)
Landa-Silva, D.:
(*see* Beyrouthy, C.)
Laporte, G., Mesa, J. A., Ortega, F. A. and Pozo, M. A.:
Locating a metro line in a historical city centre: application to Sevilla, 1462
Laporte, G.:
(*see* Wen, M.)
Lara, P.:
(*see* Peña, T.)
Larbani, M.:
(*see* Chen, Y.-W.)
Larsen, J.:
(*see* Wen, M.)
Lee, A. H. I., Chen, H. H. and Kang, H.-Y.:
Operations management of new project development: innovation, efficient, effective aspects, 797

Lee, C.-G.:
(*see* Doyle, E. K.)
Lee, D.-H.:
(*see* Kim, H.-J.)
Lee, D.-H.:
(*see* Kim, J.-G.)
Lee, K. W.:
(*see* Park, K. S.)
Lee, W.-C.:
(*see* He, C.-C.)
Leleu, H.:
Mixing DEA and FDH models together, 1730
Leleu, H.:
(*see* Boussemart, J.-P.)
Leon, C. F. and Palacios, F.:
Evaluation of rejected cases in an acceptance system with data envelopment analysis and goal programming, 1411
Leskinen, P.:
(*see* Kainulainen, T.)
Leung, S. C. H.:
(*see* Li, X.-Y.)
*Li, X., Beullens, P., Jones, D. and Tamiz, M.:
An integrated queuing and multi-objective bed allocation model with application to a hospital in China, 330
Li, X.:
(*see* Zhang, D.)
Li, X.-Y., Tian, P. and Leung, S. C. H.:
An ant colony optimization metaheuristic hybridized with tabu search for open vehicle routing problems, 1012
Liang, L.:
(*see* Cook, W. D.)
Likothanassis, S. D.:
(*see* Beligiannis, G. N.)
Lim, A. and Xu, Z.:
Searching optimal resequencing and feature assignment on an automated assembly line, 361
Lima, E., Mues, C. and Baesens, B.:
Domain knowledge integration in data mining using decision tables: Case studies in churn prediction, 1096
Lin, P.-C.:
(*see* Tsao, H.-Y.)
Lin, R.-H.:
Potential use of FP-growth algorithm for identifying competitive suppliers in SCM, 1135
Lins, M. P. E.:
(*see* Junior, H. V.)
Liu, J. S., Lu, W.-M., Yang, C. and Chuang, M.:
A network-based approach for increasing discrimination in data envelopment analysis, 1502
Liu, W.:
(*see* Mingers, J.)
Liu, W.:
(*see* Zhang, D.)
Lotz, W.:
(*see* Bekker, J.)
Lu, W.-M.:
(*see* Chen, L.-C.)
Lu, W.-M.:
(*see* Liu, J. S.)
Luque, M.:
(*see* Ruiz, F.)
Lychev, A. V.:
(*see* Krivonozhko, V. E.)

Mabin, V. J., Davies, J. and Kim, S.:
Rethinking tradeoffs and OR/MS methodology, 1384
MacKay, N. J.:
Lanchester models for mixed forces with semi-dynamical target allocation, 1421
Madhushini, N., Rajendran, C. and Deepa, Y.:
Branch-and-bound algorithms for scheduling in permutation flowshops to minimize the sum of weighted flowtime/sum of weighted tardiness/sum of weighted flowtime and weighted tardiness/sum of weighted flowtime, weighted tardiness and weighted earliness of jobs, 991
*Maenhout, B. and Vanhoucke, M.:
The impact of incorporating nurse-specific characteristics in a cyclical scheduling approach, 1683
Mar Molinero, C.:
(*see* Gutiérrez-Nieto, B.)
Marianov, V., Boffey, T. B. and Galvão, R. D.:
Optimal location of multi-server congestible facilities operating as $M/E_r/m/N$ queues, 674
Mar-Molinero, C.:
(*see* Segovia-Gonzalez, M. M.)
Martens, J., Peeters, R. and Put, F.:
Analysing steady-state simulation output using vector autoregressive processes with exogenous variables, 696
Martin, C., Metcalfe, M. and Harris, H.:
Developing an implementation capacity: justifications from prior research, 859
Martínez, F.:
(*see* Gac, I.)
Martínez-Ruiz, M. P.:
(*see* González-Benito, Ó.)
Martzoukos, S. H.:
Real R&D options and optimal activation of two-dimensional random controls, 843
Mastrogiannis, N., Giannikos, I., Boutsinas, B. and Antzoulatos, G.:
CL.E.KMODES: A modified k-modes clustering algorithm, 1085
*Mavrotas, G., Georgopoulou, E., Mirasgedis, S., Sarafidis, Y., Lalas, D., Hontou, V. and Gakis, N.:
Multi-objective combinatorial optimization for selecting best available techniques (BAT) in the industrial sector: the COMBAT tool, 906
May, J. H.:
(*see* Glowacka, K. J.)
McCollum, B.:
(*see* Beyrouthy, C.)
McGinnis, L. F.:
(*see* Johnson, A. L.)
McMullan, P.:
(*see* Beyrouthy, C.)
*Medhurst, J., Stanton, I. M., Bird, H. and Berry, A.:
The value of information to decision makers: an experimental approach using card-based decision gaming, 747
Meng, W.:
(*see* Mingers, J.)
Meng, W.:
(*see* Zhang, D.)
Mesa, J. A.:
(*see* Laporte, G.)
Metcalfe, M.:
(*see* Martin, C.)
Miller-Hooks, E.:
(*see* Opasanon, S.)
*Mingers, J.:
Measuring the research contribution of management academics using the Hirsch-index, 1143
*Mingers, J., Liu, W. and Meng, W.:
Using SSM to structure the identification of inputs and outputs in DEA, 168
Mirasgedis, S.:
(*see* Mavrotas, G.)
Mitropoulos, I.:
(*see* Adamides, E. D.)
Mitropoulos, P.:
(*see* Adamides, E. D.)

Mohite, M.:
(*see* Myers, D. C.)
Moholkar, M. P.:
(*see* Raut, S.)
Molla-Descals, A.:
(*see* González-Benito, Ó.)
Morecroft, J. D. W.:
(*see* Kunc, M. H.)
Morley, B.:
(*see* Dawson, P.)
Morton, A. and Fasolo, B.:
Behavioural decision theory for multi-criteria decision analysis: a guided tour, 268
Moschopoulos, C.:
(*see* Beligiannis, G. N.)
Mues, C.:
(*see* Lima, E.)
Murali, P.:
(*see* Zhang, B.)
Murphy, E. E.:
(*see* Kumar, S.)
Mustafee, N.:
(*see* Katsaliaki, K.)
Myers, D. C. and Mohite, M.:
Locating automated external defibrillators in a university community, 869

*Namen, A. A., Bornstein, C. T. and Rosenhead, J.:
Robustness analysis for sustainable community development, 587
Narayanaswamy, N. S.:
(*see* Gopalan, R.)
Naseraldin, H.:
(*see* Silver, E. A.)
Nefti, S., Oussalah, M. and Rezgui, Y.:
A modified fuzzy clustering for documents retrieval: application to document categorization, 384
Ng, K. Y. K. and Sancho, N. G. F.:
Regional surveillance of disjoint rectangles: a travelling salesman formulation, 215
*Nicholls, M. G.:
The Use of Markov models as an aid to the evaluation, planning and benchmarking of Doctoral Programs, 1183
Norman, J. M.:
(*see* Clarke, S. R.)
Nottestad, D. A.:
(*see* Kumar, S.)

Oakley, J. E.:
(*see* Stevenson, M. D.)
Ólafsson, S.:
(*see* Kim, J.)
Ólafsson, S.:
(*see* Yang, J.)
Öncan, T. and Altınel, İ. K.:
Parametric enhancements of the Esau–Williams heuristic for the capacitated minimum spanning tree problem, 259
Opasanon, S. and Miller-Hooks, E.:
The Safest Escape problem, 1749
Ormerod, R. J.:
The history and ideas of critical rationalism: the philosophy of Karl Popper and its implications for OR, 441
Ortega, F. A.:
(*see* Laporte, G.)
*Ostertag, A., Doerner, K. F., Hartl, R. F., Taillard, E. D. and Waelti, P.:
POPMUSIC for a real-world large-scale vehicle routing problem with time windows, 934
Oussalah, M.:
(*see* Nefti, S.)

Palacios, F.:
(*see* Leon, C. F.)
Park, K. S., Lee, K. W., Park, M. S. and Kim, D.:
Joint use of DEA and constrained canonical correlation analysis for efficiency valuations involving categorical variables, 1775
Park, M. S.:
(*see* Park, K. S.)
Parkes, A. J.:
(*see* Beyrouthy, C.)
Paton, D.:
(*see* Dawson, P.)
Paul, R. J.:
(*see* Saliby, E.)
Pavlov, A.:
(*see* Hurley, W. J.)
Pearn, W. L.:
(*see* Chung, S. H.)
Peeters, R.:
(*see* Martens, J.)
Peña, T., Lara, P. and Castrodeza, C.:
Multiobjective stochastic programming for feed formulation, 1738
Pendharkar, P.:
Misclassification cost minimizing fitness functions for genetic algorithm-based artificial neural network classifiers, 1123
*Percy, D. F.:
A mathematical analysis of badminton scoring systems, 63
*Pilgrim, H., Tappenden, P., Chilcott, J., Bending, M., Trueman, P., Shorthouse, A. and Tappenden, J.:
The costs and benefits of bowel cancer service developments using discrete event simulation, 1305
Pitt, L.:
(*see* Tsao, H.-Y.)
*Plà, L. M., Faulin, J. and Rodriguez, S. V.:
A linear programming formulation of a semi-Markov model to design pig facilities, 619
*Pollack, J.:
Multimethodology in series and parallel: strategic planning using hard and soft OR, 156
Pozo, M. A.:
(*see* Laporte, G.)
Preuss, M.:
(*see* Stoean, R.)
Put, F.:
(*see* Martens, J.)

Qu, R. and Burke, E. K.:
Hybridizations within a graph-based hyper-heuristic framework for university timetabling problems, 1273
Quiñonez Rico, E.:
(*see* Caserta, M.)

*Rajagopal and Rajagopal, A.:
Buyer–supplier relationship and operational dynamics, 313
Rajagopal, A.:
(*see* Rajagopal)
Rajagopalan, H. K.:
(*see* Khouja, M.)
Rajendran, C.:
(*see* Madhushini, N.)
*Raut, S., Swami, S. and Moholkar, M. P.:
Heuristic and meta-heuristic approaches for multi-period shelf-space optimization: the case of motion picture retailing, 1335
Reuter, K.:
(*see* Derigs, U.)

Rezgui, Y.:
(*see* Nefti, S.)
Rhodes, C. J. and Jones, P.:
Inferring missing links in partially observed social networks, 1373
Richardson, G. P.:
(*see* Eden, C.)
Robinson, S.:
(*see* Tako, A. A.)
Rodriguez, S. V.:
(*see* Plà, L. M.)
Romero, C.:
(*see* Elfkih, S.)
Rosenhead, J.:
(*see* Namen, A. A.)
Ruiz, F., Luque, M. and Cabello, J. M.:
A classification of the weighting schemes in reference point procedures for multiobjective programming, 544

Safin, M. M.:
(*see* Krivonozhko, V. E.)
Saliby, E. and Paul, R. J.:
A farewell to the use of antithetic variates in Monte Carlo simulation, 1026
Sancho, N. G. F.:
(*see* Ng, K. Y. K.)
Sarafidis, Y.:
(*see* Mavrotas, G.)
*Sarkis, J. and Cordeiro, J. J.:
Investigating technical and ecological efficiencies in the electricity generation industry: are there win-win opportunities?, 1160
Sathye, M.:
(*see* Ariff, M.)
Schniederjans, A. M.:
(*see* Schniederjans, M. J.)
Schniederjans, D. G.:
(*see* Schniederjans, M. J.)
Schniederjans, M. J., Schniederjans, A. M. and Schniederjans, D. G.:
Operations research methodology life cycle trend phases as recorded in journal articles, 881
Schumacher, C.:
(*see* Shima, T.)
Segovia-Gonzalez, M. M., Contreras, I. and Mar-Molinero, C.:
A DEA analysis of risk, cost, and revenues in insurance, 1483
Serrano-Cinca, C.:
(*see* Gutiérrez-Nieto, B.)
Setiono, R.:
(*see* Hayashi, Y.)
Sharp, J. A.:
(*see* Laffey, D.)
Shaw, S. C.:
(*see* Coolen-Schrijner, P.)
Sherali, H. D.:
(*see* Zhu, X.)
Shima, T. and Schumacher, C.:
Assigning cooperating UAVs to simultaneous tasks on consecutive targets using genetic algorithms, 973
Shorthouse, A.:
(*see* Pilgrim, H.)
Silver, E. A., Naseraldin, H. and Bischak, D. P.:
Determining the reorder point and order-up-to-level in a periodic review system so as to achieve a desired fill rate and a desired average time between replenishments, 1244
Simmons, R.:
(*see* Buraimo, B.)
*Smith, L. D., Sweeney II, D. C. and Campbell, J. F.:
Simulation of alternative approaches to relieving congestion at locks in a river transportion system, 519
*Sohn, S. Y., Kim, Y. and Kim, B. T.:
Cost of ownership model for spare engines purchase for the Korean navy acquisition program, 1674
Soleimani-damaneh, M.:
A fast algorithm for determining some characteristics in DEA, 1528
Souli, S.:
(*see* Hindle, G. A.)
Speranza, M. G.:
(*see* Archetti, C.)
Stanton, I. M.:
(*see* Medhurst, J.)
Stern, S. E.:
An adjusted Duckworth–Lewis target in shortened limited overs cricket matches, 236
*Stevenson, M. D., Oakley, J. E., Chick, S. E. and Chalkidou, K.:
The cost-effectiveness of surgical instrument management policies to reduce the risk of vCJD transmission to humans, 506
Stoean, C.:
(*see* Stoean, R.)
Stoean, R., Preuss, M., Stoean, C., El-Darzi, E. and Dumitrescu, D.:
Support vector machine learning with an evolutionary engine, 1116
Stride, C. B.:
(*see* Clarke, S. R.)
Sundararajan, R.:
(*see* Bhaskar, T.) and
Swami, S.:
(*see* Raut, S.)
Sweeney II, D. C.:
(*see* Smith, L. D.)
*Syntetos, A. A., Babai, M. Z., Dallery, Y. and Teunter, R.:
Periodic control of intermittent demand items: theory and empirical analysis, 611

Tai, Y. T.:
(*see* Chung, S. H.)
Taillard, E. D.:
(*see* Ostertag, A.)
Tako, A. A. and Robinson, S.:
Comparing discrete-event simulation and system dynamics: users' perceptions, 296
Tamiz, M.:
(*see* Li, X.)
Tan, T.:
(*see* van Kooten, J. P. J.)
Tappenden, J.:
(*see* Pilgrim, H.)
Tappenden, P.:
(*see* Pilgrim, H.)
Tarantilis, C. D.:
(*see* Zobolas, G. I.)
Taylor, A.:
(*see* Cho, H.-W.)
Taylor, S. J. E.:
(*see* Katsaliaki, K.)
Teunter, R.:
(*see* Syntetos, A. A.)
*Teunter, R. H. and Duncan, L.:
Forecasting intermittent demand: a comparative study, 321
Thevaranjan, A.:
(*see* Chang, H.)
*Thiel, D.:
Dynamic modelling of labour assignment flexibility in the French fresh food industry, 652
Thissen, W. A. H.:
(*see* van der Lei, T. E.)
Thomas, D.:
(*see* Dawson, P.)

Tian, P.:
(*see* Li, X.-Y.)
Trueman, P.:
(*see* Pilgrim, H.)
*Tsagalidis, E. G. and Georgiou, A. C.:
Using simulation modelling to support decisions in hail suppression programmes with airborne means, 14
Tsai, W. C.:
Fuzzy measures of supplier evaluation under lean concepts, 1005
Tsai, W.-H., Chou, W.-C. and Hsu, W.:
The sustainability balanced scorecard as a framework for selecting socially responsible investment: an effective MCDM model, 1396
*Tsao, H.-Y., Lin, P.-C., Pitt, L. and Campbell, C.:
The impact of loyalty and promotion effects on retention rate, 646
Tung, H. K. K. and Wong, M. C. S.:
Financial risk forecasting with nonlinear dynamics and support vector regression, 685

Utkin, O. B.:
(*see* Krivonozhko, V. E.)

van der Lei, T. E. and Thissen, W. A. H.:
Quantitative problem structuring methods for multi-actor problems: an analysis of reported applications, 1198
van Donselaar, K.:
(*see* Curşeu, A.)
van Kooten, J. P. J. and Tan, T.:
The final order problem for repairable spare parts under condemnation, 1449
van Woensel, T.:
(*see* Curşeu, A.)
Vanhoucke, M.:
(*see* Maenhout, B.)
Vitoriano, B.:
(*see* Barquin, J.)
*Volkema, R.:
Natural language and the art and science of problem/opportunity formulation: a transportation planning case analysis, 1360

Waelti, P.:
(*see* Ostertag, A.)
Wang, J.-B.:
Single machine scheduling with a time-dependent learning effect and deteriorating jobs, 583
*Wang, W. and Hussin, B.:
Plant residual time modelling based on observed variables in oil samples, 789
Weber, W. L.:
(*see* Fukuyama, H.)
Weintraub, A.:
(*see* Gac, I.)
Wen, M., Larsen, J., Clausen, J., Cordeau, J.-F. and Laporte, G.:
Vehicle routing with cross-docking, 1708
Weverbergh, M.:
(*see* Kiygi Calli, M.)
Williams, M. D.:
(*see* Irani, Z.)
Wong, M. C. S.:
(*see* Tung, H. K. K.)
Wu, C.-C.:
(*see* He, C.-C.)
*Wyburn, J. and Hayward, J.:
OR and language planning: modelling the interaction between unilingual and bilingual populations, 626

Xirouchakis, P.:
(*see* Kim, H.-J.)
Xu, X.:
(*see* Hua, Z.)
Xu, Z.:
(*see* Lim, A.)

Yang, C.:
(*see* Chen, L.-C.)
Yang, C.:
(*see* Liu, J. S.)
Yang, C.-L.:
(*see* Huang, R.-H.)
Yang, D.-L.:
(*see* Kuo, W.-H.)
Yang, F.:
(*see* Cook, W. D.)
Yang, J. and Ólafsson, S.:
Near-optimal feature selection for large databases, 1045
Yang, J.:
(*see* Hua, Z.)
Yang, J.:
(*see* Kim, J.)
*Yang, Z.:
Assessing the performance of Canadian bank branches using data envelopment analysis, 771
Ying, K.-C.:
An iterated greedy heuristic for multistage hybrid flowshop scheduling problems with multiprocessor tasks, 810
Youn, E.:
(*see* Cho, H.-W.)

Zeng, Z.:
(*see* Laffey, D.)
Zha, Y.:
(*see* Cook, W. D.)
*Zhang, B., Murali, P., Dessouky, M. M. and Belson, D.:
A mixed integer programming approach for allocating operating room capacity, 663
Zhang, D., Li, X., Meng, W. and Liu, W.:
Measuring the performance of nations at the Olympic Games using DEA models with different preferences, 983
*Zhang, X., Chakravarthy, A. and Gu, Q.:
Equipment scheduling problem under disruptions in mail processing and distribution centres, 598
Zhang, Z.:
(*see* Jasimuddin, S. M.)
Zhu, J.:
(*see* Cook, W. D.)
Zhu, X. and Sherali, H. D.:
Two-stage workforce planning under demand fluctuations and uncertainty, 94
Zobolas, G. I., Tarantilis, C. D. and Ioannou, G.:
A hybrid evolutionary algorithm for the job shop scheduling problem, 221
*Zuashkiani, A., Banjevic, D. and Jardine, A. K. S.:
Estimating parameters of proportional hazards model based on expert knowledge and statistical data, 1621

Journal of the Operational Research Society (2009) 60, 1802–1805 © 2009 Operational Research Society Ltd. All rights reserved. 0160-5682/09

www.palgrave-journals.com/jors/

SUBJECT INDEX

(This index includes all *papers*)

Absorbing Markov chains 1183
Access protocol 1613
Accidents 781
Accounting 1495
Actor analysis 1198
Adoption 1322
Age replacement 1428
Agriculture 14, 587, 619, 1738
Air transport 962, 1173
Analysis of experiments 1483
Analytic network process (ANP) 797, 1396
Ant colony optimization 1012
Antithetic variates 1026
Artificial intelligence 23, 1085
Assignment problem 481, 991
Association rules 1056
Auto-industry 361

Banking 104, 771, 1699
Barges 519
Bayesian inference 506
Bayesian statistics 1621
BCC model 1518
Behaviour 895, 1322
Behavioural decision theory 268
Behavioural model 1237
Benders' decomposition 94
Benefits, opportunities, costs and risks 797
Best available technique 906
Bidding agents 411
Bi-level programme 395
Bilingualism 626
Biological 747
Block time scheduling 663
Bonacich centrality 1502
Bootstrap 735
Boundary crossing 236
Bounded rationality 534
Bowel cancer 1305
Branch and price 831
Branch-and-bound algorithms 991
Branch-and-price 84
Break 84
Broadband 1322
Building egress 1749

Capacitated minimal spanning tree problem 259
Capacity planning 471
Capital budgeting 1649
Car insurance 1483
Cardinal preferences 252
Cargo applications 1349
Case studies 461
Categorical variables 1775
Causal mapping 1637
Censored regression 944
Chinese Academy of Sciences 168
Churn 1096
Citations 1143
Classification 1107, 1116, 1123
Clickthrough 411
Clustering 1085
Co-dependency 313
Cognitive factors 313
Column generation 831
Combat modelling 1421
Combinatorial optimization 1045
Command and control 747
Common due-date assignment 1264
Communication 1613
Community OR 587
Competitive advantage 637
Competitive maps 52
Competitive ratio 1230
Componential context model 1237
Computational complexity 873
Computers 23, 1085
Concept-driven change 859
Condemnation 1449
Condition monitoring 789
Condition-based maintenance 1621
Constrained canonical correlation analysis 1775
Constrained shortest path problem 1462
Consumer brand preference 1221
Consumer choice behaviour 1237
Contest rules 1786
Context effects 1237
Continuous model 652
Contract terms 1335
Control 565
Convex analysis 1546
Convoy movement problem 1230
Cooperating agents 973
Cost benefit analysis 506, 843
Cost estimation model 1674
Cost of ownership 1674
Course timetabling 130
Covering 869
CPM 120
Credit scoring 1699
Cricket 1786
Critical rationalism 441
Cross entropy 1439
Cross-docking 554, 1708
Cross-elasticity 52
Cross-sell 717
CSMA 1613

Data envelopment analysis 72, 104, 168, 276, 771, 1160, 1411, 1469, 1483, 1495, 1502, 1511, 1546, 1556, 1583, 1730, 1767
Data extremities 276
Data mining 1045, 1056, 1096, 1123, 1221
DEA 983, 1518, 1528, 1535, 1567, 1594, 1775
DEA-Malmquist 1315
Decision analysis 63, 252, 268, 372, 565, 944, 1005, 1173, 1649
Decision biases 268
Decision making 747, 1360
Decision support systems 471, 587, 952
Decision tables 1096
Decision tree 1221
Defence studies 1373
Demand perishability 1335
DEMATEL 1396
Detectors 747
Deteriorating jobs 583
Deterministic system 685
Developing countries 104, 587
Diffusion process 1244
Direct marketing 717
Directional distance functions 1594, 1730

Discrete choice problems 252
Discrete event simulation 14
Discrete simulation 952
Discrete-event simulation 296
Discrete-time simulation 652
Dissimilarity measure 1085
Distributed simulation 43
Distribution 944, 1012, 1658
Document clustering 384
Domain knowledge 1096
Domination cones 1518
Dynamic network flows 1749
Dynamic programming 215
Dynamic traffic assignment 395

ε-constraint 906
Ecological modernization theory 1160
E-commerce 411
Econometrics 339
Education 23, 626, 895
Effectiveness 1469
Efficiency 771, 1160, 1469, 1483, 1528, 1567
Efficiency measurement 1767
Efficiency valuations 1775
Efficient firm size 1495
ELECTRE I 1085
Electricity markets 1719
Elicitation 461
Energy 1160
Environmental criteria 534
Environmental studies 419, 1160
Equipment scheduling 598
Equity 1469
Esau–Williams heuristic 259
Evacuation 1749
Evolution 859
Evolutionary algorithms 221, 1116
Experimentation 747
Experiments 268
Expert knowledge 1621

Farrell efficiency measure 1535
FC forecasting 881
Feature selection 1045, 1107
Feeder management systems 797
Final order 1449
Financial performance 1315
Flexibility 652
Flowshop scheduling 991
Food industry 652
Forecast 685
Forecasting 321, 339, 611, 944, 1373
Formula One 952
FP-growth algorithm 1135
Free disposal hull 1730
Fuzzy clustering 384
Fuzzy decision making 384
Fuzzy mathematical programming 717
Fuzzy sets 1005

Gaming 79
GAs 23
Generalized DEA model 1518
Genetic algorithms 282, 973, 1123, 1335
Goal programming 330, 534, 1411
Government 156
Graph colouring heuristics 1273
Grocery retail stores 200
Group decision support system 496
Grouping method 1535

Health 869
Health service 330, 481, 1305, 1469
Healthcare 1056
Healthcare operations 43
Heuristics 120, 282, 481, 818, 934, 1012, 1173, 1244, 1439, 1658
Higher education 1183
h-index 1143
Hirsch 1143
Historical buildings 1462
History of ideas 441
Hospitals 506, 1683
Hub cover 1349
Hub location 1349
Human resource management 652
Hybrid flowshop 810
Hyperbolic distance function 1511
Hyper-heuristics 1273

Implementation 859
Imprecise data envelopment analysis 1575
Incomplete preference 180
Incomplete preference judgement 496
Indirect allocative inefficiency 1594
Industry 906
Infeasibility 276
Information goods 372
Information systems 156, 180, 1322
Insurance 1411
Integer programming 94, 598, 674, 1439
Integrated simulation application design 471
Interactive methods 544, 728
Interactive procedure 180
Interior point methods 728, 735
Intermittent demand 321, 611
Inventory 321, 1254, 1286
Inventory control 1244
Investments 843
Irrigated agriculture 534
Iterated greedy heuristic 810
Iterated local search 1273

Japanese banking 1594
Job shop 221
Just in Time scheduling 554
Just-in-time 1286

k-modes 1085
Knowledge community system 1583
Knowledge discovery 1123
Knowledge management 797
Knowledge transfer 706

Lanchester problem 1421
Language planning 626
Lead-time 611
Learning effect 583
Level of conformance 313
Lexicographic preference 983
Life cycles 859
Limited waiting time 572
Linear programming 72, 619, 1502, 1528, 1730
Linguistics 1360
Local search 1439
Location 674, 758, 895, 1349, 1439
Location problems 869
Lock operations 519
Logistics 1349
Loss system 818
Loyalty programme 646

Machine scheduling 554, 873
Macroeconomic variables 1699
Maintenance 461
Makespan 572
Management 147

Manpower planning 94, 1207, 1683
Market structure 52
Marketing 52
Markov brand-switching model 646
Markov processes 79, 339
Mass customization 1286
Match results 1786
Mechanism 706
Metaheuristics 554
Metamodel 1191
Meteorology 14
Methodology 72, 156, 1384
Metrics 1143
Metro alignment 1462
Microcredit 104
Microfinance institutions (MFIs) 104
Military 747, 1421
Military applications 215
Military logistics 611
Misclassification cost 1123
Missing data 1767
Mixed integer programming 663
Mixed methods research 1637
MO multi-objective, LP 881
Model use 296
Monte Carlo 1026
Multi-attribute utility theory 1649
Multi-criteria decision analysis 268
Multi-method 2
Multi-methodology 758
Multi-objective 130, 330, 544, 728
Multi-objective fractional programming 1738
Multiobjective linear programming (MOLP) 1556
Multi-objective optimization 906
Multiple attribute decision making 496
Multiple attribute group decision making 180
Multiple criteria decision making 534
Multiplex 1335
Multiprocessor task scheduling 810
Multivariate time-series analysis 696

Network constraints 1719
Networks and graphs 1373
Neural networks 282, 1123, 1191, 1221
Nondiscretionary factors 1575
Nonlinear 1567
Nonlinear dynamics 685
Nonparametric predictive inference 1428
Nonstationary demand 1254

Oil analysis 789
Olympic Games 983
One-cycle criterion 1428
Online algorithms 1230
Operating room capacity 663
Opportunity-based age replacement 1428
Optimal algorithm 419
Optimisation 1154
Optimization 330, 728, 1254
Optimization-based partitional clustering 1069
Optimization/search 361
OR education/teaching 1384
OR in energy 1719
Organizational performance 637
Outlier 1511
Outpatient scheduling 1056
Output analysis 696
Overtime management 598
Ownership 1315

Paid search 411
Panel data 646
Parallel machines scheduling 921
Parametric optimization methods 1518
Partitioning 1069
Performance evaluation 168
Performance measurement 983, 1583
Periodic stock control 611
Philosophy of OR 441
Pickup and delivery 1708
Piecewise linear 1567
Planning 156, 565, 619, 626, 758, 1183
Policy analysis 2
Polyhedral set theory 1546
Polynomial-time algorithm 1528
Postal operations 598
Practice of OR 14, 348, 758, 1173
Prediction 789
Preferential uncertainty 252
Price rivalry 52
Pricing 372
Privatization 1315
Probability 63, 1373
Probability bound 818
Problem decomposition 934
Problem formulation 1360
Problem structuring 268
Problem structuring methods 191, 1198, 1384, 1637
Product distribution network 471
Product postponement 471
Production 72, 1286
Production and scheduling 419
Production frontier 1535
Production scheduling 221
Productivity 771
Productivity change 1594
Profit 921
Profitable tour problem 831
Project management 120, 156, 565
Promotion programme 646
Proportional hazards model 1621
Prospect theory 1237
Pseudo-polynomial 873
Psychology 268
Public sector 1154
Purchasing 1005
Purchasing supply chain management 1135

Quality 637
Quality of service 674
Queue 818
Queueing 674
Queuing 330

RAE 1143
Rail transportation 348
Random effects model 1674
Random walk 236
R&D efficiency 1556
Reference point methods 544
Regional studies 781
Regression 147, 1116
Relationship management 313
Reliability 461
Repairable inventory theory 1449
Replacement 506
Replacement policy 619
Research 168, 843
Research productivity 1143
Residual time 789
Retail banking 717
Retail operations 200
Retention rate 646
Returns to scale 1495, 1730
RG regression analysis 881
Risk 79, 565, 1483, 1699

Risk management 869
Road transport 395, 781
Robustness analysis 587
Rolling horizon 1254
Round robin tournaments 84
RTS 1528

Sarbanes–Oxley 1495
Scalability 1045, 1069
Scheduling 431, 572, 583, 962, 1286, 1683, 1759
Scheduling and sequencing 519
Scheduling/sequencing 361
Second price auctions 411
Semi-Markov process 619
Sequence dependence setup time 921
Sequence-dependent setup time 1264
Sequencing 1264
Series of queues 519
Service network design 348
Set theory 1135
Shelf-space model 1335
Shelf-stacking 200
Simul8 43
Simulated annealing 282
Simulation 63, 120, 296, 506, 565, 663, 696, 735, 962, 1026, 1056, 1173, 1191, 1207, 1305
Simulation application 519
Simulation modelling 2
Simulation optimization 1191
Simulation software 43
Single-machine 583, 1759
Slacks-based measure 1583
Snooker 1670
Social efficiency 104
Social network analysis 1502
Socially responsible investment (SRI) 1396
Soft OR 1198
Soft systems methodology (SSM) 156, 168, 758, 1637
Software piracy 372
Solid waste management 758
Spare part 1254
Spare parts management 1449
Spectra data 1107
Speed enforcement 1154
Sports 63, 147, 952, 1670
Sports league scheduling 84
Sports statistics 236
Stakeholder analysis 1198
Statistical models 252
Statistics 63, 147, 339, 461, 962, 1483, 1670
Step-deteriorating jobs 1759
Stochastic 79, 1154, 1244, 1749
Stochastic optimization 735
Stochastic processes 843
Stochastic programming 94, 1649, 1738
Store processes 200
Store-level scanner data 52
Strategic planning 191, 348
Structural equation modelling 637
Super-efficiency 276, 1511
Supervised training 282
Supplier performance 313
Supplier selection 1135, 1575
Supply chain 1286
Supply chain management 1244, 1384
Supply chain systems 43
Support vector machines 1107, 1116
Support vector regression 685
Surgery 663
Survival analysis 1699
Sustainability 534
Sustainability balanced scorecard 1396
Sustainable development 587
Symbiosis 706
System dynamics 191, 296, 626, 758

Tabu search 282, 831, 1191, 1273, 1708
Target selection 717
Task assignment 973
Team orienteering problem 831
Technology acceptance model 1322
Telecommunications 1315
Teleology and dialectic 859
TFT-LCD 1556
Theory of constraints 1384
Thresholding 1107
Time dependent 583
Timetabling 23, 1683
Time-varying covariates 1699
Time-varying networks 1749
Tobit regression 236
Total completion time 431, 1759
Total factor productivity 1315
Tradeoffs 1384
Traffic 395, 1154
Transportation 1360
Travelling salesman problem 215
Two-machine flowshop 572

Uncertainty of outcome 1786
University timetabling 1273
Unmanned aerial vehicles 973
Unrelated parallel machine 431
Urban studies 339, 895
User equilibrium 395
Utility maximization 895

Variable neighbourhood search 831, 1273
Variable returns to scale 1535
Variance reduction 1026
Variant Creutzfeldt–Jakob disease (vCJD) 506
Vehicle routing 934, 1012, 1207, 1658
Vehicle routing problem 1708
Visualization 1535
VNS 221
Voronoi diagrams 1462

Wald distribution 236
Water transportation 519
Wavelet analysis 1107
Weapon system acquisition 1674
Weather modification 14
Weighted earliness 991
Weighted flowtime 991
Weighted tardiness 991
Weights 544
WIN-WIN approach 728
Wireless 1613
Workforce scheduling 598

Zero-one goal programming (ZOGP) 1396